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1 [An integrated access control for securely querying and updating XML data](#)

Maggie Duong, Yanchun Zhang

January 2008 ADC '08: Proceedings of the nineteenth conference on Australasian database - Volume 75, Volume 75

**Publisher:** Australian Computer Society, Inc.

Full text available: [pdf\(807.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 6, Citation Count: 0

Many existing access controls use node filtering or querying rewriting techniques. These techniques require rather time-consuming processes such as parsing, labeling, pruning and/or rewriting queries into safe ones each time a user requests a query or ...

**Keywords:** XML query, XML update, access control, labeling scheme

## 2 A taxonomy of Data Grids for distributed data sharing, management, and



### processing

Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao  
June ACM Computing Surveys (CSUR), Volume 38 Issue 1  
2006

**Publisher:** ACM

Full text available: [pdf\(1.70 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 177, Downloads (12 Months): 1610, Citation Count: 3

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance ...

**Keywords:** Grid computing, data-intensive applications, replica management, virtual organizations

## 3 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren  
November CASCON '97: Proceedings of the 1997 conference of the Centre for  
1997 Advanced Studies on Collaborative research

**Publisher:** IBM Press

Full text available: [pdf\(4.21 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 56, Downloads (12 Months): 761, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

## 4 An authorization model for temporal and derived data: securing information



### portals

Vijayalakshmi Atluri, Avigdor Gal  
February ACM Transactions on Information and System Security (TISSEC),  
2002 Volume 5 Issue 1

**Publisher:** ACM

Full text available: [pdf\(406.85 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 112, Citation Count: 8

The term *information portals* refers to Web sites that serve as main providers of focused information, gathered from distributed data sources. Gathering and disseminating information through information portals introduce new security challenges. ...

**Key words:** Access control, authorization administration, derived data, temporal data

## 5 [Communications of the ACM: Volume 51 Issue 2](#)



February issue Volume 51 Issue 2  
2008

**Publisher:** ACM

Full text available: [pdf\(3.89 MB\)](#) [digital edition](#)

**Additional Information:** [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 549, Downloads (12 Months): 1641, Citation Count: 0

## 6 [Purpose based access control for privacy protection in relational database systems](#)

Ji-Won Byun, Ninghui Li

July The VLDB Journal — The International Journal on Very Large Data  
2008 Bases, Volume 17 Issue 4

**Publisher:** Springer-Verlag New York, Inc.

**Additional Information:** [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

In this article, we present a comprehensive approach for privacy preserving access control based on the notion of purpose. In our model, purpose information associated with a given data element specifies the intended use of the data element. A key feature ...

**Key words:** Access control, Privacy, Private data management, Purpose

## 7 [Securing distributed storage: challenges, techniques, and systems](#)



Vishal Kher, Yongdae Kim

November StorageSS '05: Proceedings of the 2005 ACM workshop on Storage  
2005 security and survivability

**Publisher:** ACM

Full text available: [pdf\(294.61 KB\)](#)


**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 79, Downloads (12 Months): 383, Citation Count: 1


The rapid increase of sensitive data and the growing number of government regulations that require longterm data retention and protection have forced enterprises to pay serious attention to storage security. In this paper, we discuss important security ...

**Keyw ords:** authorization, confidentiality, integrity, intrusion detection, privacy

## 8 Flexible support for multiple access control policies

 Sushil Jajodia, Pierangela Samarati, Maria Luisa Sapino, V. S. Subrahmanian  
June 2001 ACM Transactions on Database Systems (TODS), Volume 26 Issue 2

**Publisher:** ACM

Full text available:  [pdf\(460.33 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 251, Citation Count: 54

Although several access control policies can be devised for controlling access to information, all existing authorization models, and the corresponding enforcement mechanisms, are based on a specific policy (usually the closed policy). As a consequence, ...


**Keyw ords:** access control policy, authorization, logic programming

## 9 Designing a distributed access control processor for network services on the

 Web

Reiner Kraft  
November 2002 XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security

**Publisher:** ACM

Full text available:  [pdf\(301.14 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 227, Citation Count: 3

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many, and might represent a step towards the semantic Web. However, security is ...

**Keyw ords:** Web services, XML, access control, security

10 [Separating access control policy, enforcement, and functionality in extensible](#)



[systems](#)

Robert Grimm, Brian N. Bershad

February ACM Transactions on Computer Systems (TOCS), Volume 19 Issue 1  
2001

**Publisher:** ACM

Full text available: [pdf\(164.03](#)

[KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 261, Citation Count: 3

Extensible systems, such as Java or the SPIN extensible operating system, allow for units of code, or extensions, to be added to a running system in almost arbitrary fashion. Extensions closely interact through low-latency but type-safe interfaces to ...

**Keyw ord s:** Java, SPIN, access check, auditing, extensible systems, policy-neutral enforcement, protection domain, protection domain transfer, security policy

11 [Model driven security: From UML models to access control infrastructures](#)



David Basin, Jürgen Doser, Torsten Lodderstedt

January ACM Transactions on Software Engineering and Methodology  
2006 (TOSEM), Volume 15 Issue 1

**Publisher:** ACM

Full text available: [pdf\(968.83](#)

[KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 85, Downloads (12 Months): 536, Citation Count: 6

We present a new approach to building secure systems. In our approach, which we call Model Driven Security, designers specify system models along with their security requirements and use tools to automatically generate system architectures from the models, ...

**Keyw ord s:** Model Driven Architecture, Object Constraint Language, Role-Based Access Control, Unified Modeling Language, metamodeling, security engineering

12 [Query processing in the aqualogic data services platform](#)

Vinayak Borkar, Michael Carey, Dmitry Lychagin, Till Westmann, Daniel Engovatov, Nicola Onose

September VLDB '06: Proceedings of the 32nd international conference on Very  
2006 large data bases

**Publisher:** VLDB Endowment

Full text available: [pdf\(571.23](#)


[KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 92, Citation Count: 0


BEA recently introduced a new middleware product called the Aqua-Logic Data Services Platform (ALDSP). The purpose of ALDSP is to make it easy to design, develop, deploy, and maintain a data services layer in the world of service-oriented architecture ...

### 13 A fine-grained access control system for XML documents

 Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati

May 2002 ACM Transactions on Information and System Security (TISSEC), Volume 5 Issue 2

**Publisher:** ACM

Full text available:  [pdf\(330.60 KB\)](#)


**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 49, Downloads (12 Months): 317, Citation Count: 56

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce ...

**Keywords:** Access control, World Wide Web, XML documents, authorizations specification and enforcement

### 14 User privacy-preserving identity data dependencies

 Samir Saklikar, Subir Saha  
November 2006 DIM '06: Proceedings of the second ACM workshop on Digital identity management

**Publisher:** ACM

Full text available:  [pdf\(530.91 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 162, Citation Count: 0

Identity Federation technologies have enabled users to leverage their relationships with an Identity Provider (IdP) into a Service Provider's (SP) domain. They allow user-initiated and IdP-controlled sharing of authentication information, attributes ...

**Keywords:** SAML, digital identity, identity federation, liberty alliance, policy, privacy

## 15 Secure virtual enclaves: Supporting coalition use of distributed application



### technologies

May ACM Transactions on Information and System Security (TISSEC),  
2001 Volume 4 Issue 2

**Publisher:** ACM

Full text available: [pdf\(462.10 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 79, Citation Count: 2

The Secure Virtual Enclaves (SVE) collaboration infrastructure allows multiple organizations to share their distributed application objects, while respecting organizational autonomy over local resources. The infrastructure is transparent to applications, ...

**Keyw ords:** Access control, coalition, collaborative system, group communication, middleware, security policy

## 16 Secure and selective dissemination of XML documents



Elisa Bertino, Elena Ferrari

August ACM Transactions on Information and System Security (TISSEC),  
2002 Volume 5 Issue 3

**Publisher:** ACM

Full text available: [pdf\(678.34 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 37, Downloads (12 Months): 186, Citation Count: 30

XML (*eXtensible Markup Language*) has emerged as a prevalent standard for document representation and exchange on the Web. It is often the case that XML documents contain information of different sensitivity degrees that must be selectively shared ...

**Keyw ords:** Access control, XML, secure distribution

## 17 Purpose based access control of complex data for privacy protection



Ji-Won Byun, Elisa Bertino, Ninghui Li

June SACMAT '05: Proceedings of the tenth ACM symposium on Access control  
2005 models and technologies

**Publisher:** ACM

Full text available: [pdf\(223.59 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 46, Downloads (12 Months): 187, Citation Count: 6

As privacy becomes a major concern for both consumers and enterprises, many research efforts have been devoted to the development of privacy protecting technology. We recently proposed a privacy preserving access control model for relational databases, where ...

**Keywords:** access control, management, privacy, private data, purpose, role attributes

## 18 Putting computing in context: An infrastructure to support extensible context-enhanced collaborative applications



W. Keith Edwards

December 2005 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 12 Issue 4

**Publisher:** ACM

Full text available: [pdf\(1.20 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 185, Citation Count: 1

Context-aware computing exposes a unique tension in how information about human context is modeled and used. On the one hand, approaches that use loosely structured information have been shown to be useful in situations where humans are the final consumers ...

**Keywords:** Collaboration, context-aware computing, coordination, data representations

## 19 Flexible control of downloaded executable content



Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam

May 1999 ACM Transactions on Information and System Security (TISSEC), Volume 2 Issue 2

**Publisher:** ACM

Full text available: [pdf\(297.79 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 80, Citation Count: 8

We present a security architecture that enables system and application access control requirements to be enforced on applications composed from downloaded executable content. Downloaded executable content consists of messages downloaded from remote ...

**Keywords:** access control models, authentication, authorization mechanisms, collaborative systems, role-based access control



## 20 [Controlling access in multiuser interfaces](#)



Prasun Dewan, Honghai Shen

March 1998 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 5 Issue 1

**Publisher:** ACM

Full text available: [pdf\(182.07 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 92, Citation Count: 11

Traditionally, access control has been studied in the areas of operating systems and database management systems. With the advent of multiuser interfaces, there is a need to provide access control in the user interface. We have developed a general framework ...

**Keyw ords:** access control, collaboration, computer-supported cooperative work, groupware, privacy, security, structure editors, user interface management systems

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